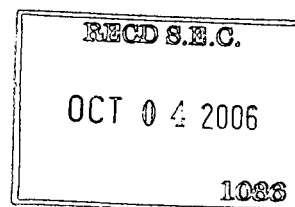




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1362959**NASDAQ**THE NASDAQ STOCK MARKET
LISTING QUALIFICATIONS DEPARTMENT
8800 BLACKWELL ROAD
ROCKVILLE MD 20850

1-33042

Gary Sundick
Vice President
Listings/InvestigationsBy Facsimile and First Class Mail

October 3, 2006

Mr. Brian K. Johnson
Office of Filings and Information Services
U.S. Securities and Exchange Commission
100 F Street, N.E.
Washington, D.C. 20549

PROCESSED

OCT 05 2006

J THOMSON
FINANCIAL

Dear Mr. Johnson:

This is to certify that on September 22, 2006, The Nasdaq Stock Market (the "Exchange") received from Rosetta Genomics Ltd. (the "Registrant") a copy of the Registrant's application on Form 8-A 12(b) for the registration of the following security:

Ordinary shares, par value NIS \$0.01 per share

We further certify that the security described above has been approved by the Exchange for listing and registration upon official notice of issuance.

We understand that the Registrant is seeking effectiveness of the Form 8-A 12(b) concurrently with effectiveness of its 1933 Act Registration Statement, and we hereby join in such request.

Sincerely,